

Pleiosorbus is united with *Sorbus* (Rosaceae)

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Abstract The monotypic genus *Pleiosorbus* is reduced to the synonymy of *Sorbus*. The new name *Sorbus medogensis* is proposed.

Key words *Pleiosorbus*; *Sorbus*; Rosaceae

Pleiosorbus is a monotypic genus established by Zhou and Wu (2000). The authors indicated that this genus is similar to *Sorbus* sect. *Micromeles*, *Docynia* as well as *Chaenomeles*, but always distinguishable from them in different character combinations.

In the course of preparing an account of the Rosaceae for *Flora of China*, we critically checked the type specimen of *Pleiosorbus megacarpus*, H. Sun, Z. K. Zhou and H. Y. Yu 860, a gathering from Medog, Xizang (Tibet), China, and found that the leaves are not fully entire, but sparsely and shallowly serrate along the margin, stamens vary from 25 ~ 44 and styles from 5 ~ 7 in number (Fig. 1), and the ovary is 5 ~ 7-loculed, with 2 ~ 4 ovules in each locule. From these characters it is clear that *Pleiosorbus* cannot be distinctly distinguished from the genus *Sorbus*, in which the leaves are usually serrate but sometimes nearly entire, stamens vary from 15 ~ 25 and styles from 2 ~ 5 in number, and the ovary is 2 ~ 5-loculed, with 2 ~ 3 ovules in each locule. Hence *Pleiosorbus* is herein formally united with *Sorbus* and *P. megacarpus* be transferred to *Sorbus*. As the combination *Sorbus megacarpa*, which should be made in a normal case, is so similar to the name of a previously described species in this genus, *Sorbus megalocarpa* Rehd., that they are likely to be confused, a new name, *S. medogensis* L. T. Lu et T. C. Ku, is thus proposed according to the Article 53.3 of the International Code of Botanical Nomenclature (Saint Louis Code) (Greuter et al., 2000).

Sorbus medogensis is related to *S. corymbifera* (Miq.) N. T. Kh'ep et G. P. Yakovlev [= *S. granulosa* (Betrol.) Rehd.] in *Sorbus* sect. *Micromeles* (Dcne.) Rehd. ser. *Thomsonianae* Yü in the leaves simple, nerves slightly curved in the marginal part of leaves, styles connate at base and sepals not persistent in fruits, but differs in the trunk tall up to 30 m, leaves sparsely and shallowly serrate along margin, stamens 25 ~ 44 and styles 5 ~ 7 in number, and larger fruits up to 3 ~ 5 cm in diameter.

Sorbus L., Sp. Pl. 477. 1753. TYPE: *Sorbus domestica* L.

Pleiosorbus Lihua Zhou et C. Y. Wu in Acta Bot. Yunnan. 22: 383. 2000. syn. nov.
TYPE: *Pleiosorbus megacarpus* Lihua Zhou et C. Y. Wu.

Sorbus medogensis L. T. Lu et T. C. Ku, nom. nov.

Pleiosorbus megacarpus Lihua Zhou et C. Y. Wu in Acta Bot. Yunnan. 22: 383. 2000, non

Sorbus megalocarpa Rehd. in Sarg., Pl. Wils. 2: 266. 1915. TYPE: China. Xizang, Mêdog, Hanmi, in forests, alt. 2100 m, 1992-10-27, H. Sun, Z. K. Zhou and H. Y. Yu 860 (holotype, KUN!).

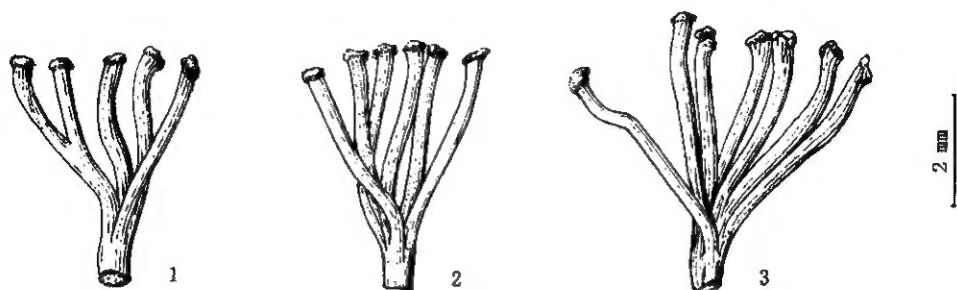


Fig. 1 Styles from three different flowers of *Sorbus medogensis*, showing the variation in the number of styles 1. Five styles; 2. Six styles; 3. Seven styles. Drawn from H. Sun, Z. K. Zhou and H. Y. Yu 860.

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多蕊石灰树属应与花楸属合并

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摘要 多蕊石灰树属与花楸属在性状上没有明显区别, 故应予以合并。提出了墨脱花楸 *Sorbus medogensis* 这一新名称。

关键词 多蕊石灰树属; 花楸属; 蔷薇科